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IEEE CNF IEEE Conference Proceeding

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IEEE STD IEEE Standard

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 Stuber, G.L.; Barry, J.R.; McLaughlin, S.W.; Ye Li; Ingram, M.A.; Pratt, T.G.;  
Proceedings of the IEEE  
 Volume 92, Issue 2, Feb 2004 Page(s):271 - 294  
 Digital Object Identifier 10.1109/JPROC.2003.821912  
[AbstractPlus](#) | Full Text: [PDF](#)(1200 KB) | Full Text: [HTML](#) IEEE JNL  
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 Keller, T.; Hanzo, L.;  
Proceedings of the IEEE  
 Volume 88, Issue 5, May 2000 Page(s):611 - 640  
 Digital Object Identifier 10.1109/5.849157  
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- ☐ 3. **Doppler and frequency-offset synchronization in wideband OFDM**  
 Salberg, A.-B.; Swami, A.;  
Wireless Communications, IEEE Transactions on  
 Volume 4, Issue 6, Nov. 2005 Page(s):2870 - 2881  
 Digital Object Identifier 10.1109/TWC.2005.858337  
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- ☐ 4. **Experimental and analytical studies on a high-resolution OFDM carrier frequency estimator**  
 Tureli, U.; Kivanc, D.; Hui Liu;  
Vehicular Technology, IEEE Transactions on  
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 Digital Object Identifier 10.1109/25.923074  
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- ☐ 5. **Robust channel estimation and ISI cancellation for OFDM systems with sparse features**  
 Xianbin Wang; Ho, P.; Wu, Y.;  
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Volume 23, Issue 5, May 2005 Page(s):963 - 972  
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- ☐ 6. **IEEE Standard for Local and metropolitan area networks Part 16: Air Interface and Mobile Broadband Wireless Access Systems Amendment 2: Physical Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands**  
Corrigendum 1  
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- ☐ 7. **IEEE Standard for Local and metropolitan area networks --- Part 16: Air Interface for Broadband Wireless Access Systems--- Amendment 2: Medium Access Control and Physical Layer Modifications and Additional Physical Layer Specifications for 2-11 GHz**  
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- ☐ 8. **Design of a multiband OFDM system for realistic UWB channel environments**  
Batra, A.; Balakrishnan, J.; Aiello, G.R.; Foerster, J.R.; Dabak, A.;  
[Microwave Theory and Techniques, IEEE Transactions on](#)  
Volume 52, Issue 9, Part 1, Sept. 2004 Page(s):2123 - 2138  
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- ☐ 9. **Multiband-OFDM MIMO coding framework for UWB communication systems**  
Siriwongpairat, W.P.; Weifeng Su; Olfat, M.; Liu, K.J.R.;  
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEEE Transactions on\]](#)  
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- ☐ 10. **Optimal space-frequency Group codes for MIMO-OFDM system**  
Yao Chen; Aktas, E.; Tureli, U.;  
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- ☐ 11. **Joint estimation of symbol timing and carrier frequency offset of OFDM systems in time-varying multipath channels**  
Lv, T.; Hua Li; Jie Chen;  
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- ☐ 12. **Channel estimation performance for frequency hopped OFDM using embedded pilot tones**  
Kleider, J.E.; Maaloul, G.; Gifford, S.; Chuprun, S.;  
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- ☐ **13. A robust timing and frequency synchronization for OFDM systems**  
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[Wireless Communications, IEEE Transactions on](#)  
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- ☐ **14. Decimal frequency offset estimation in COFDM wireless communications**  
Bo Ai; Jian-hua Ge; Yong Wang; Shi-Yong Yang; Pei Liu;  
[Broadcasting, IEEE Transactions on](#)  
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- ☐ **15. Analysis of frequency-offset tracking in MIMO OFDM systems**  
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- ☐ **16. Robust OFDM receivers for dispersive time-varying channels: equalization acquisition**  
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- ☐ **18. A road to future broadband wireless access: MIMO-OFDM-Based air interface**  
Hongwei Yang;  
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- ☐ **21. Pilot-assisted maximum-likelihood frequency-offset estimation for OFDM**  
Yu, J.H.; Su, Y.T.;  
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- ☐ **22. 70-GHz-Band OFDM Transceivers Based on Self-Heterodyne Scheme for Wireless Personal Area Network**  
Shoji, Y.; Choi, C.-S.; Ogawa, H.;  
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- ☐ **23. OFDM synchronization using PN sequence and performance**  
Chunlin Yan; Jiayi Fang; Youxi Tang; Shaoqian Li; Yingtao Li;  
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- ☐ **24. OFDM for data communication over mobile radio FM channels. I. Analysis: experimental results**  
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- ☐ **25. DFT-modulated filterbank transceivers for multipath fading channels**  
Phoong, S.-M.; Yubing Chang; Chun-Yang Chen;  
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Lienard, M.; Degauque, P.; Laly, P.;  
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## 5. Recent system applications of short-pulse ultra-wideband (UWB) technol

Fontana, R.J.;  
Microwave Theory and Techniques, IEEE Transactions on  
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De Pellegrini, F.; Miorandi, D.; Vitturi, S.; Zanella, A.;  
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exchange between systems- local and metropolitan area networks- spec**  
**Part II: wireless LAN medium access control (MAC) and physical layer (P**  
**specifications**  
2003 Page(s):i - 67  
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- ☐ 9. **Wireless Technologies 2005 Abstract Pages - 8th European Conference on  
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Hancke, G.P.; Allen, B.;  
Pervasive Computing, IEEE  
Volume 5, Issue 4, Oct.-Dec. 2006 Page(s):78 - 85  
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- ☐ **1. Modeling of ultra-wideband channels within vehicles**  
 Richardson, P.C.; Weidong Xiang; Stark, W.;  
Selected Areas in Communications, IEEE Journal on  
 Volume 24, Issue 4, Part 1, April 2006 Page(s):906 - 912  
 Digital Object Identifier 10.1109/JSAC.2005.863882  
**Summary:** This paper aims to lay a solid foundation for the application of ultra-radio in vehicle environments by exploring the characteristics of UWB channels. A comprehensive measurement campaign was conducted to gather a set ....  
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- ☐ **3. A wireless data link for mobile applications**  
 Lindenmeier, S.; Boehm, K.; Luy, J.F.;  
Microwave and Wireless Components Letters, IEEE [see also IEEE Microwave Wave Letters]  
 Volume 13, Issue 8, Aug. 2003 Page(s):326 - 328  
 Digital Object Identifier 10.1109/LMWC.2003.815706  
**Summary:** A short overview is given on wireless high speed data links for local networks in mobile applications and a multifunctional CDMA-Direct-Sequence communicating platform is investigated which may be used for inter vehicle communication.  
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 Lienard, M.; Degauque, P.; Laly, P.;  
Vehicular Technology, IEEE Transactions on  
 Volume 53, Issue 3, May 2004 Page(s):705 - 715  
 Digital Object Identifier 10.1109/TVT.2004.825762  
**Summary:** This paper presents a feasibility study of a technique for measuring the distance between two trains following one another through a tunnel at a distance of several kilometers. A preliminary series of measurements was performed in the Channel Tunnel,.....



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- ☐ 7. **Data association and tracking for automotive radar networks**  
Folster, F.; Rohling, H.;  
[Intelligent Transportation Systems, IEEE Transactions on](#)  
Volume 6, [Issue 4](#), Dec. 2005 Page(s):370 - 377  
Digital Object Identifier 10.1109/TITS.2005.858784  
**Summary:** Radar sensors in the 24- and 77-GHz frequency domain will be used for comfort and safety in many future automotive applications. In this paper, a radar network of four short-range radars is considered. Each sensor measures individually only.  
[AbstractPlus](#) | Full Text: [PDF\(392 KB\)](#) IEEE JNL  
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- ☐ 8. **Propagation models for short-range wireless channels with predictable parameters**  
Domazetovic, A.; Greenstein, L.J.; Mandayam, N.B.; Seskar, I.;  
[Communications, IEEE Transactions on](#)  
Volume 53, [Issue 7](#), July 2005 Page(s):1123 - 1126  
Digital Object Identifier 10.1109/TCOMM.2005.851606  
**Summary:** We consider wireless data services characterized by short distance, low power, and low antenna heights, deployed in places where a high frequency of users is expected, e.g., toll booths, parking lots, intersections, etc. With.....  
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- ☐ 9. **Recent system applications of short-pulse ultra-wideband (UWB) technology**  
Fontana, R.J.;  
[Microwave Theory and Techniques, IEEE Transactions on](#)  
Volume 52, [Issue 9](#), Part 1, Sept. 2004 Page(s):2087 - 2104  
Digital Object Identifier 10.1109/TMTT.2004.834186  
**Summary:** Developed in the early 1960s, time-domain electromagnetics, the science of electromagnetic-wave propagation from a time-domain perspective, has given rise to a fascinating new technology, which today is commonly referred to as ultra-wideband.  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(1304 KB\)](#) IEEE JNL  
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- ☐ 10. **The COFDM modulation system: the heart of digital audio broadcasting**  
Shelwell, P.;  
[Electronics & Communication Engineering Journal](#)  
Volume 7, [Issue 3](#), June 1995 Page(s):127 - 136  
**Summary:** Digital audio broadcasting offers the potential to give every radio listener the sound quality of a compact disc. To accomplish this, it requires a rugged method of transmission. The coded orthogonal frequency division multiplexing (COFDM)

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- ☐ **11. Index**  
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 De Pellegrini, F.; Miorandi, D.; Vitturi, S.; Zanella, A.;  
[Industrial Informatics, IEEE Transactions on](#)  
 Volume 2, Issue 2, May 2006 Page(s):129 - 143  
 Digital Object Identifier 10.1109/TII.2006.872960  
**Summary:** Wireless communication systems are rapidly becoming a viable so  
 employment at the lowest level of factory automation systems, usually referred  
 "device" or "field" level, where the requested performance may be rather critica  
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- ☐ **13. On the architecture, operation, and applications of VMR-WB: the new cdr  
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 Ahmadi, S.; Jelinek, M.;  
[Communications Magazine, IEEE](#)  
 Volume 44, Issue 5, May 2006 Page(s):74 - 81  
 Digital Object Identifier 10.1109/MCOM.2006.1637950  
**Summary:** This article is an overview of the architecture and operation of the  
 source- and network-controlled variable-rate multimode codec designed for rol  
 wideband speech. To enable a smooth transition from legacy narrowband voic  
[AbstractPlus](#) | Full Text: [PDF\(121 KB\)](#) IEEE JNL  
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- ☐ **14. Digital television terrestrial broadcasting**  
 Yiyang Wu; Caron, B.;  
[Communications Magazine, IEEE](#)  
 Volume 32, Issue 5, May 1994 Page(s):46 - 52  
 Digital Object Identifier 10.1109/35.281578  
**Summary:** Digital transmission will change the way television channels are all  
 force broadcasters to master a new set of parameters for optimizing service cc  
 article discusses modulation and channel coding issues related to digital t.....  
[AbstractPlus](#) | Full Text: [PDF\(1768 KB\)](#) IEEE JNL  
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 multipath fading and nonlinearities**  
 Je-Hong Jong; Stark, W.E.;  
[Communications, IEEE Transactions on](#)  
 Volume 49, Issue 1, Jan. 2001 Page(s):168 - 179  
 Digital Object Identifier 10.1109/26.898260  
**Summary:** In this paper, we analyze the effects of a nonlinear amplifier on the  
 convolutionally coded multicarrier spread-spectrum systems in the presence o  
 Two performance measures, bit-error rate (BER) and adjacent channel p.....  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(384 KB\)](#) IEEE JNL  
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 exchange between systems- local and metropolitan area networks- speci  
 Part II: wireless LAN medium access control (MAC) and physical layer (P  
 specifications**  
 2003 Page(s):i - 67  
 Digital Object Identifier 10.1109/IEEESTD.2003.94282

**Summary:** Changes and additions to IEEE Std 802.11, 1999 Edition, as amended 802.11a-1999, 802.11b-1999, 802.11b-1999/Cor 1-2001, and 802.11d-2001, to support the further higher data rate extension for operation in the 2.4 GHz band

[AbstractPlus](#) | Full Text: [PDF](#)(1754 KB) IEEE STD

☐ **17. Wireless Technologies 2005 Abstract Pages - 8th European Conference on Technology**

[Wireless Technology, 2005. The European Conference on](#)

3-4 Oct. 2005 Page(s):627 - 660

Digital Object Identifier 10.1109/ECWT.2005.1617781

**Summary:** Not available.....

[AbstractPlus](#) | Full Text: [PDF](#)(368 KB) IEEE CNF  
[Rights and Permissions](#)

☐ **18. Ultrawideband as an Industrial Wireless Solution**

Hancke, G.P.; Allen, B.;

[Pervasive Computing, IEEE](#)

Volume 5; Issue 4, Oct.-Dec. 2006 Page(s):78 - 85

Digital Object Identifier 10.1109/MPRV.2006.89

**Summary:** Ultrawideband wireless technology transmits data at very high rate frequency spectrum, at low power, making it suitable for the industrial environment. The benefits and challenges of using wireless communication in the industry.....

[AbstractPlus](#) | Full Text: [PDF](#)(723 KB) IEEE JNL  
[Rights and Permissions](#)

☐ **19. Precoded modulo-precanceling for simultaneous analog FM and digital data**

Papadopoulos, H.C.; Sundberg, C.-E.W.;

[Communications, 2005. ICC 2005. 2005 IEEE International Conference on](#)

Volume 4, 16-20 May 2005 Page(s):2527 - 2532 Vol. 4

Digital Object Identifier 10.1109/ICC.2005.1494801

**Summary:** We present techniques for simulcasting low-power digital data and fading channels. Our methods have strong connections to "writing on dirty paper" that a low-power digital data signal is modulo-added to the host analog FM.....

[AbstractPlus](#) | Full Text: [PDF](#)(167 KB) IEEE CNF  
[Rights and Permissions](#)

☐ **20. CCECE 2003 - Canadian Conference on Electrical and Computer Engineering Caring and Humane Technology (Cat. No.03CH37436)**

[Electrical and Computer Engineering, 2003. IEEE CCECE 2003. Canadian Conference on](#)

Volume 1, 4-7 May 2003

**Summary:** Not available.....

[AbstractPlus](#) | Full Text: [PDF](#)(842 KB) IEEE CNF  
[Rights and Permissions](#)

☐ **21. CCECE 2003 - Canadian Conference On Electrical And Computer Engineering**

[Electrical and Computer Engineering, 2003. IEEE CCECE 2003. Canadian Conference on](#)

Volume 3, 4-7 May 2003 Page(s):0\_1 - 0\_21

**Summary:** Not available.....

[AbstractPlus](#) | Full Text: [PDF](#)(845 KB) IEEE CNF  
[Rights and Permissions](#)

☐ **22. CCECE 2003 - Canadian Conference On Electrical And Computer Engineering**

[Electrical and Computer Engineering, 2003. IEEE CCECE 2003. Canadian Conference on](#)

Volume 2, 4-7 May 2003 Page(s):0\_1 - 0\_21

**Summary:** Not available.....

[AbstractPlus](#) | Full Text: [PDF](#)(864 KB) IEEE CNF  
[Rights and Permissions](#)

**23. Enabling mobile commerce through pervasive communications with ubiquitous**



Bridgelall, R.;

Wireless Communications and Networking, 2003. WCNC 2003. 2003 IEEE

Volume 3, 16-20 March 2003 Page(s):2041 - 2046 vol.3

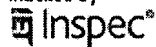
Digital Object Identifier 10.1109/WCNC.2003.1200700

**Summary:** For many years we've heard of the existence of a wonderful new technology called radio frequency identification (RFID) that allows supermarket items to be checked without human intervention. Advertisements claim that this technology will be able to...

AbstractPlus | Full Text: PDF(514 KB) **IEEE CNF**

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